

Converting Colors

RGB(49, 211, 199)

Have a look what the booklet for
RGB(49, 211, 199) contains.

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Color

RGB(49, 211, 199)

Conversions

Conversions Part 1

Format	Color
Hex	31D3C7
RGB	49, 211, 199
RGB Percent	19%, 83%, 78%
CMY	0.8078, 0.1725, 0.2196
CMYK	0.77, 0.00, 0.06, 0.17
HSL	176°, 65%, 51%
HSV	176°, 77%, 83%
XYZ	34.8697, 51.3650, 62.1094
YIQ	161.1940, -92.7000, -38.0760

Conversions

Conversions Part 2

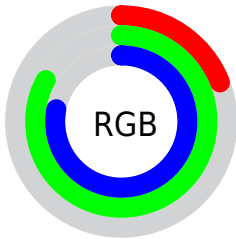
Format	Color
RYB	49, 133, 211
Decimal	3265479
CIELab	76.90, -42.49, -5.70
CIELCh	77, 42.872, 187.635
Yxy	51.3650, 0.2351, 0.3463
Android (android.graphics.Color)	4281455559 (0xFF31D3C7)
YUV	161.1940, 18.6384, -98.3941
Hunter-Lab	71.6694, -38.5749, -1.2128

Details

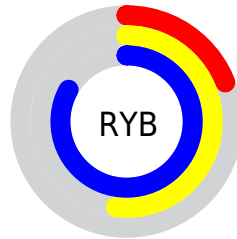
The RGB color **49, 211, 199** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **211, 49, 61**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **122, 255, 255**, and **0, 156, 145** is the 20% darker color. If you saturate the color by 10%, you get **28, 211, 197**, and if you desaturate by 10%, it is **70, 211, 201**.

Distribution



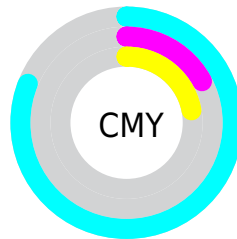
- Red (19%)
- Green (83%)
- Blue (78%)



- Red (19%)
- Yellow (52%)
- Blue (83%)



- Cyan (77%)
- Magenta (0%)
- Yellow (6%)
- Black (17%)




















- Cyan (81%)
- Magenta (17%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RGB color 49, 211, 199 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 49, 211, 199 by changing the saturation by 10% instead.

 49, 211, 199	 49, 211, 199
 255, 255, 255	 0, 183, 172
 122, 255, 255	 0, 156, 145
 154, 255, 255	 0, 129, 120
 185, 255, 255	 0, 103, 95
 216, 255, 255	 0, 78, 71
 247, 255, 255	 0, 54, 49
	 0, 33, 28
	 0, 0, 1
	 0, 0, 0

■ 49, 211, 199

■ 49, 211, 199

■ 28, 211, 197

■ 70, 211, 201

■ 7, 211, 196

■ 91, 211, 202

■ 0, 211, 195

■ 112, 211, 204

■ 133, 211, 205

■ 155, 211, 207

■ 176, 211, 208

■ 197, 211, 210

■ 218, 211, 212

■ 239, 211, 213

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



113, 209, 158



49, 211, 199



0, 209, 237

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49, 211, 199



207, 176, 253



240, 177, 117

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49, 211, 199



211, 49, 61

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 164, 143



49, 211, 199



248, 163, 221

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49, 211, 199



148, 190, 255



255, 158, 181



206, 191, 110

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49, 211, 199



41, 205, 255



255, 158, 181



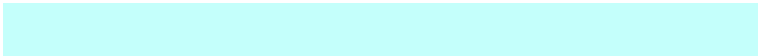
249, 172, 124

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49, 211, 199



196, 255, 251



63, 211, 49



92, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 211, 199



20, 255, 238



49, 144, 211



94, 105, 104



0, 168, 156



0, 41, 38

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



211, 49, 61



255, 20, 38



211, 116, 49



105, 94, 95



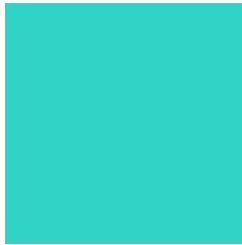
168, 0, 12



41, 0, 3

Previews

White Background



This preview shows how the RGB color 49, 211, 199 looks on a white background.

Color Contrast Check

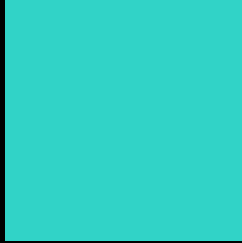
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 49, 211, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

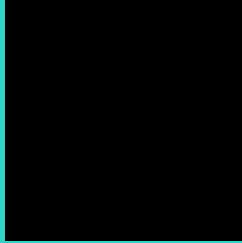
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

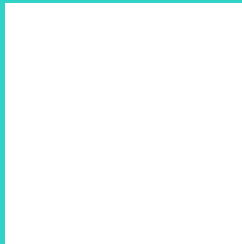
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 49, 211, 199 Background



This preview shows how black text looks on a background with the RGB color 49, 211, 199.

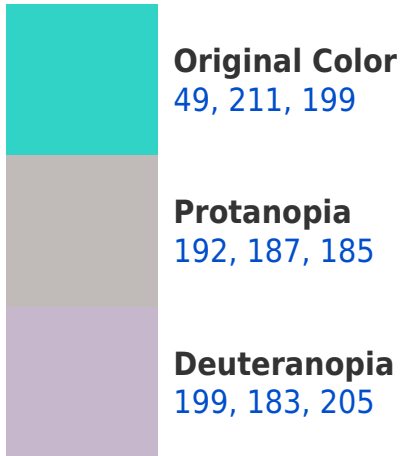


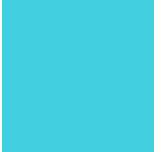
This preview shows how white text looks on a background with the RGB color 49, 211, 199.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
66, 207, 224

Trichromacy



Original Color

49, 211, 199



Protanomaly

140, 196, 190



Deuteranomaly

144, 193, 203



Tritanomaly

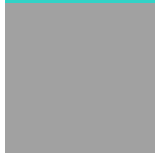
60, 208, 215

Monochromacy



Original Color

49, 211, 199



Achromatopsia

161, 161, 161



Achromatomaly

120, 179, 175

CSS Examples

Text

The CSS property to change the color of the text to RGB 49, 211, 199 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(49, 211, 199)` looks like.

```
.text, #text, p{  
    color:rgb(49, 211, 199)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(49, 211, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 211, 199) }
```

Border

The CSS property to change the border of an element to RGB 49, 211, 199 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(49, 211, 199) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(49, 211, 199) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(49, 211, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 211, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 211, 199);  
box-shadow:4px 4px 4px 4px rgb(49, 211,  
199) }
```

Background

The CSS property to change the background color of an element to RGB 49, 211, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 211, 199) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(49, 211,  
199) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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